



POST FALLS HIGHWAY DISTRICT
E. 5629 SELTICE WAY
POST FALLS, IDAHO 83854
(208) 765-3717

TO: COEUR D ALENE PRESS

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LEGAL NOTICE:

CALL FOR BIDS ON
ASPHALT DISTRIBUTOR TRUCK

The Post Falls Highway District will accept sealed bids on or before October 7, 2015 by 4:30 p.m. for an Asphalt Distributor Truck. Bids received must include delivery cost.

Sealed bids to be opened October 7, 2015 at 6:00 P.M. at the Post Falls Highway District Office, E. 5629 Seltice Way, Post Falls Idaho. The Highway District reserves the right to reject any or all bids.

Specifications may be obtained and/or requested at the District Office between the hours of 6:00 a.m. and 4:30 p.m., Monday through Thursday. Phone: 208-765-3717. Email: shirley@postfallshd.com.

POST FALLS HIGHWAY DISTRICT
BOARD OF COMMISSIONERS
Lynn Humphreys, Chairman
Terry Werner, Vice-Chairman
Randy Oaks, Commissioner

Attest: Shirley Walson, District Clerk



Minimum Specifications For A Asphalt Distributor Truck

It is the purpose of the following minimum specifications to describe a liquid asphalt distributor truck. The distributor truck shall consist of a bituminous distributor mounted on a cab/chassis. The distributor truck shall be of the manufacturer's current production model, meeting or exceeding the following minimum specifications. In addition to these specifications the distributor truck shall include all standard and updated changes that are normally supplied by the manufacturer. All incidental items not listed but necessary to provide a complete unit shall be included. Distributor truck shall have all required Federal and State safety equipment. Price shall be FOB, Post Falls Highway District.

CAB/CHASSIS SPECIFICATIONS:

Chassis shall be a single rear axle truck (4 x 2) with a conventional style cab.

GVWR of 33,000 lbs.

Wheel Base - 185" to 190"

CA of 120".

Frame Rails – heat treated alloy steel, 120,000 PSI yield with 20" frame extension in front of the grille.

Front Bumper – steel, swept back, power coated black.

Front Axle – 14,000 lb capacity.

Front Suspension – leaf spring, 14,000 lb capacity with shock absorbers.

Spring Pins – maintenance free.

Rear Axle - 23,000 lb capacity.

Rear Suspension – spring, single vari-rate, 23,500 lb capacity with 4,500 lb auxiliary rubber spring.

Rear Axle Ratio – axle ratio shall be matched to the transmission & engine to give the distributor truck an application speed of 1-2 mph and at least a highway speed of 55 mph.

Brakes – front and rear dust shields, automatic slack adjusters, 20 Sq. In. front chambers, 30/30 rear chambers, ABS braking system.

Air Dryer with heater

Air System drain valve with manual pull chain located in the air tank.

Tires – front and rear, 14 ply, 11R22.5

Wheels – 10 studs, hub piloted steel disc, white.

Engine – 9L diesel rated at 330 hp, 900 ft lbs torque with exhaust brake.

Air Cleaner – dual element.

Air Cleaner restriction gauge, mounted in the instrument panel, not a filter minder.

Fuel/water separator

Engine driven front mount PTO

Fuel tank – 50 gallon capacity mounted on the left side under the cab.

Exhaust system – single muffler/DPF with vertical tail pipe.

Muffler and tail pipe guards, bright finish

Transmission – Eaton Fuller 10 sp., matched to engine and rear axle ratio to give the distributor an application speed of 1-2 mph and at least a highway speed of 55 mph.

Clutch – ceramic easy pedal with replaceable 2 piece clutch brake.

Electrical system – 12 volt with 120 amp brush type alternator.

Battery System -2, 12 volt maintenance free batteries with 1850 CCA total.

Battery disconnect switch mounted in the cab.

Circuit breakers – manual reset with trip indicators.

Window Wipers – electric, 2 speed with intermittent feature integral with turn signal switch.

Horns – electric 1, air 1.

2 Way radio – wiring with 20 amp fuse protection and 10' coil taped to harness.

Radio – Am/Fm stereo with clock, auxiliary input, includes multiple speakers.

Low Coolant Level indicator with audible alarm.

Power Steering

Steering Column – tilting and telescoping.

Cruise Control

Air Conditioning

Fresh Air Filter

Electronic hand throttle

Electronic Gauge Cluster – engine oil pressure, water temperature, fuel, tachometer, voltmeter.

Warning System – low fuel, low oil pressure, high engine coolant temp, low voltage, audible and visual warnings.

Interior grab handles right and left sides.

Driver's Seat – Cloth, Air suspension, high back with integral headrest, isolator, 3 chamber lumbar, 2 position front cushion adjustment, back angle adjust, cushion and back bolsters.

Passenger's seat – stationary, matching cloth.

Glass - all windows tinted.

Power windows both doors.

Black rubber floor mat.

Mirrors – rectangular 7" x 15.75" power and heated, 10" convex both sides, breakaway, all mirrors and brackets bright finish.

Cab rear suspension air bag type.

Bug screen - mounted behind the grille.

Bug deflector - smoke colored mounted on the hood.

Fender extensions rubber.

Grille - stationary chrome.

Front Tow Hooks.

Cab color – Red.

Service manual, parts manual and wiring diagram shall be included. Electronic copies preferred.

Warranty shall be 12 month complete chassis with 3 year power train warranty.

BITUMINOUS DISTRIBUTOR SPECIFICATIONS:

The distributor shall perform all of the following functions:

1. Fill tank by distributor pump from an outside source.
2. Circulate material in the tank.
3. Circulate material in the spray bar.
4. Spray at a constant desired application rate regardless of varying truck speed.
5. Return material in the spray bar to the tank by pump suction.
6. Transfer from an outside source to another outside source without having material enter the distributor tank.
7. Pump material back to the supply source.
8. Automatically go from circulate in the spray bar to spraying and return to circulate without pushing material over the relief valve.
9. Return all material in the spray bar, hand spray and distributing lines to the tank by means of pump suction without reversing the pump.
10. Circulating system shall drain independently of the tank.
11. Flushing the circulating system and pump shall take no more than 3 qts of fuel and not dilute the material in the tank.

Tank Capacity - 2,000 gallons.

Tank Shape – oval with the long axis horizontal.

Shell – 10 gauge steel with 10 gauge heads, deep dished and flanged welded to the tank inside and outside.

Baffles – tank to be supported with full section baffles constructed of 10 gauge steel, deep dished and flanged and spaced to provide maximum tank support and surge control. Opening shall be provided to allow free flow of materials to the pump and allow a man to access to the tank.

Manhole – 20" I.D. with quick opening cover and strainer to allow loading from overhead.

Overflow – 3" diameter extending at least 6" above the material and draining internally through the bottom of the tank and located to clear all chassis members.

Insulation – 2" fiberglass 1 lb density with spacers to prevent compression, protected by .40 aluminum jacket.

Tank mounting – mounting saddles shall be full bolster style and include aluminum fenders.

Front suction valve (in addition to rear suction valve) to allow asphalt pump to suck material from the front of the tank when going downhill. Cab mounted control.

Power wash down system with electric fuel pump and 15' hose with wash down gun.

Tank gauge – float type in 50 gallon increments both front and back.

4" dial thermometer.

Spillage collar and overflow drain including refiner's platform and ladder.

Tank Design – shall meet all applicable federal regulations for hot asphalt products. Tank must have ASME tank approval number to assure federal regulations are met.

Hydrostatic Transmission consisting of infinitely variable displacement pump with a minimum displacement of 3.1 cubic inches per revolution, crankshaft driven.

Motor shall be piston type with gearbox direct coupled to the asphalt pump.

Electronic micro control of the hydrostatic transmission for setting asphalt discharge rate shall be located in the cab. Control shall allow stopping the pump discharge without disconnecting the drive and be equip with an override which shall allow increases in pump output for filling, suck back without affecting the application rate setting.

20 gallon hydraulic reservoir with hydraulic oil cooler, thermometer and level indicator.

Hydraulic filter – 10 micron, replaceable cartridge filter with vacuum gauge, located between the hydraulic reservoir and the hydrostatic pump.

Asphalt pump shall be a positive displacement rotary gear type with 4 ½" suction and 4" discharge, minimum of 400 gallons per minute, located below the bottom of the tank so that material will flow vertically from the suction to the discharge insuring complete tank drainage. Self-flushing fuel line from 20 gallon fuel tank to fill line.

Heating System – shall consist of 2, 8"x6" flues with a minimum 1,000,000 BTU liquid petroleum gas (LPG) burners with regulators, valves, piping and 52 gallon frame mounted tank. Flues shall be "U" type running the full length of the tank. Inlet and exhaust opening shall be on the same horizontal plane allowing heating with a minimum of material in the tank. Thermostatic control with out-fire protection and push button ignition.

Electric Belly Heater – 220v, single phase, with thermostat to maintain heat over night.

Spray Bar shall be full circulating 16 feet in length, hinged to permit folding for travel.

Bar shall have positive circulation from one end to the other end regardless of bar length or asphalt pump rate.

Length of bar in folded position shall not exceed 8 feet.

Bar shall consist of 8 foot center section and 4, 2 foot folding wing sections.

Right and left wings shall relieve fore and aft to prevent damage to the wings.

Wing sections to be interchangeable left or right.

Electric-hydraulic bar shifting, lifting and wing folding controlled from the cab.

Bar to adjust for positive or negative crown and also adjust for pitch to aim nozzles rearward.

Nozzles to be spaced on 4 inch centers on spray bar and shall have an individual spray valve for each nozzle. Nozzles shall be controlled on-off in 1 foot increments (minimum) from the cab.

Bar shall be equipped with V slot tack nozzles capable of an application rate of .05 to .20 gallon per sq. yd.

Two (2) additional sets of nozzles shall be included with the distributor. One set shall be multi-material V slot nozzles with an application rate of .20 to .55 gallons per sq. yd. The other set shall be multi-material V slot nozzles with an application rate of .35 to .95 gallons per sq. yd.

Cab controls shall be provided for bar extension/retraction, bar shift, master on/off, individual 1' on and off controls.

Power bar latch with cab and rear controls.

Computer with in cab operator controls shall include; computer controlled switches for ten (10) preset application rates, distance/volume reset switch, application rate adjustment switch, display select switch.

Instrumentation shall include the following displays; truck travel speed in feet/minute, application rate in gallons/square yard, pump rate in gallons/minute, resettable distance sprayed in feet, resettable volume sprayed in gallons, low tank level warning, liquid asphalt temperature.

Radar type sensor to pick up ground speed.

System control of the four way asphalt valve.

Hose trough for fill hose.

Liquid sampling valve located in the rear tank head.

Strainers - system shall be designed so all asphalt pumped to the tank, from the tank or to the spray bar must pass through a strainer.

Fill hose shall be 12' x 3" rubber

3" cam lock fittings

All necessary special tools for operation of the distributor shall be included, tool box shall be of sufficient size to store all necessary tools mounted at the side of the tank with a side mounted door.

Back up alarm

Strobe light mounted on top front of tank

Distributor lights shall meet all federal and state requirements, turn signal lights, stop lights and tail lights shall be L.E.D. mounted in a sealed system.

Distributor shall have full dual flanged aluminum fenders with rubber flaps.

Distributor steel parts shall be painted black.

Operator's manual, parts manual, service manual and wiring diagram shall be included.

Successful bidder shall provide operator training on operation and maintenance of the distributor.

Warranty shall cover the complete asphalt distributor for 12 months.

BID FORM

FOR: Asphalt Distributor Truck

MAIL OR DELIVER BID TO:

POST FALLS HIGHWAY DISTRICT
5629 E SELTICE WAY, POST FALLS ID 83854
208-765-3717

BID DUE: October 7, 2015, 4:30 pm

BID FROM: _____
(Company Name of Bidder)

(Print Contact Name and Title)

(Address)

(City) (State) (Zip Code)

(Telephone Number)

BID AMOUNT: _____

SIGNATURE OF BIDDER: _____

Does the bid meet or exceed minimum specifications? Yes_____ No_____

List any exemptions from the minimum specifications:

Post Falls Highway District reserves the right to reject any or all bids.